ATTACHMENT 3
PARTIAL REPORT FOR 1997
SALINITY CONTROL ACCOMPLISHMENTS IN WYOMING

The Rock Springs District plugged two flowing saline wells in the Green River RA. These were:

- Lombard/Buckhorn Canyon well flowing at @0.5 gpm with TDS of 4350mg/l, sodium of 1800 mg/l, and pH of 9.4=@5 tons/yr of TDS;

- Eight Mile Wash well flowing at @5 gpd with TDS of 56200 mg/l, sodium of 23200 mg/l, and pH of 9.9=@1000 lbs/yr of TDS;

- Other salinity control projects included streambank stabilization along 4 miles of Red Creek with the planting of 200 trees and the initiation of a 5 year reclamation monitoring study this year to determine the effectiveness of current surface disturbance mitigation policies.

Within the Rawlins District the salinity control funding allocation was invested in several field projects and associated monitoring work.

Projects within the upper Muddy Creek watershed included:

- 7 steel structures (new or rebuilt) were worked on and rocked to stop gully erosion and maintain water tables—$5,000 was invested;

- 8 additional water developments were built and one pond fenced to improve livestock management and protect spring sources;

- 500 willows were planted to accelerate recovery of streambank stability and reduce erosion;

- monitoring was continued including operation of 6 gauging stations on Muddy Creek, retaking 300 photo points, and 30 cross-section transects of the stream channels;

- 4 additional miles of fence were constructed for livestock management;

Projects in the lower Muddy Creek watershed included:

- 6 new pits and reservoirs were constructed (two to stop and control headcutting) to improve livestock grazing management, reduce soil erosion and improve ground cover;

Other project work included:

- 3,000 acres of sagebrush was controlled by prescribed burning on Deep Gulch to enhance watershed condition and reduce erosion;

- fences and cattle guards were constructed on Powder Rim to implement livestock grazing systems to increase plant cover and reduce soil erosion—$25,000